

Amendments to the Specification:

Please replace the paragraph beginning at line 12 of page 8 with the following paragraph:

Figs. 2, 2a and 2b ~~shows~~ show embodiments of a first detector arrangement with a scanning and orienting mechanism suitable for large area digital X-ray imaging;

Please replace the paragraph beginning line 1 of page 10 with the following paragraph:

Fig. 2 shows, in a first general aspect of the invention, additional mounting and scanning means 13, 15 for performing in at least one dimension an orienting movement 8c of the X-ray detector 14 towards the X-ray source 2 during a digital scanning procedure, wherein the orienting movement 8c and the scanning movements 8b and/or 27 are independent degrees of freedom of the X-ray detector 14, and the X-ray apparatus 1 is designed for steering the orienting movement 8c of the X-ray detector 14 in coordination with the scanning movement 8b and/or 27 of the X-ray detector 14. Sliding clutches 15a can be provided between the motor drive unit 15 and moving parts of the X-ray apparatus 1.